

Figure 1

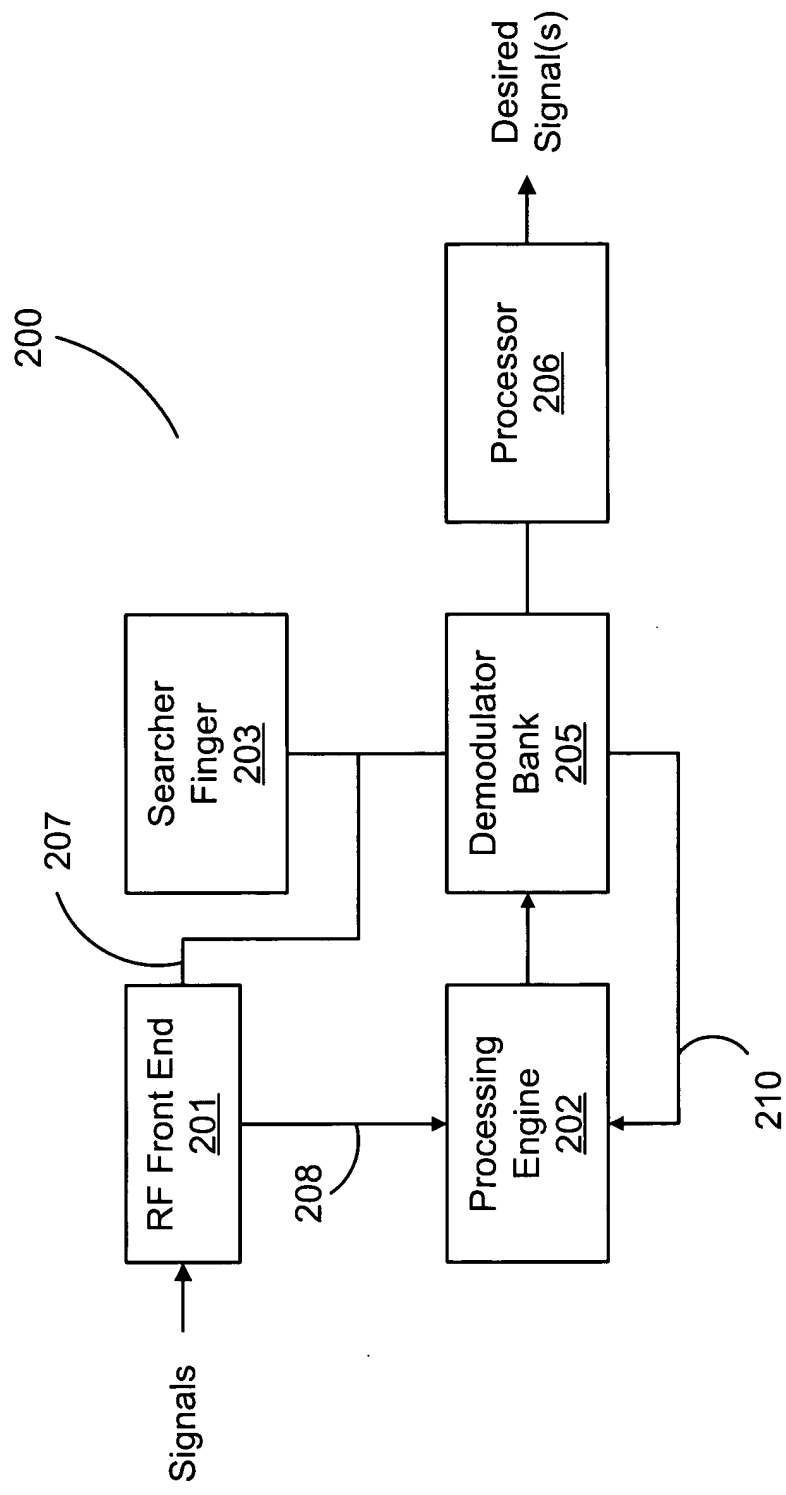


Figure 2

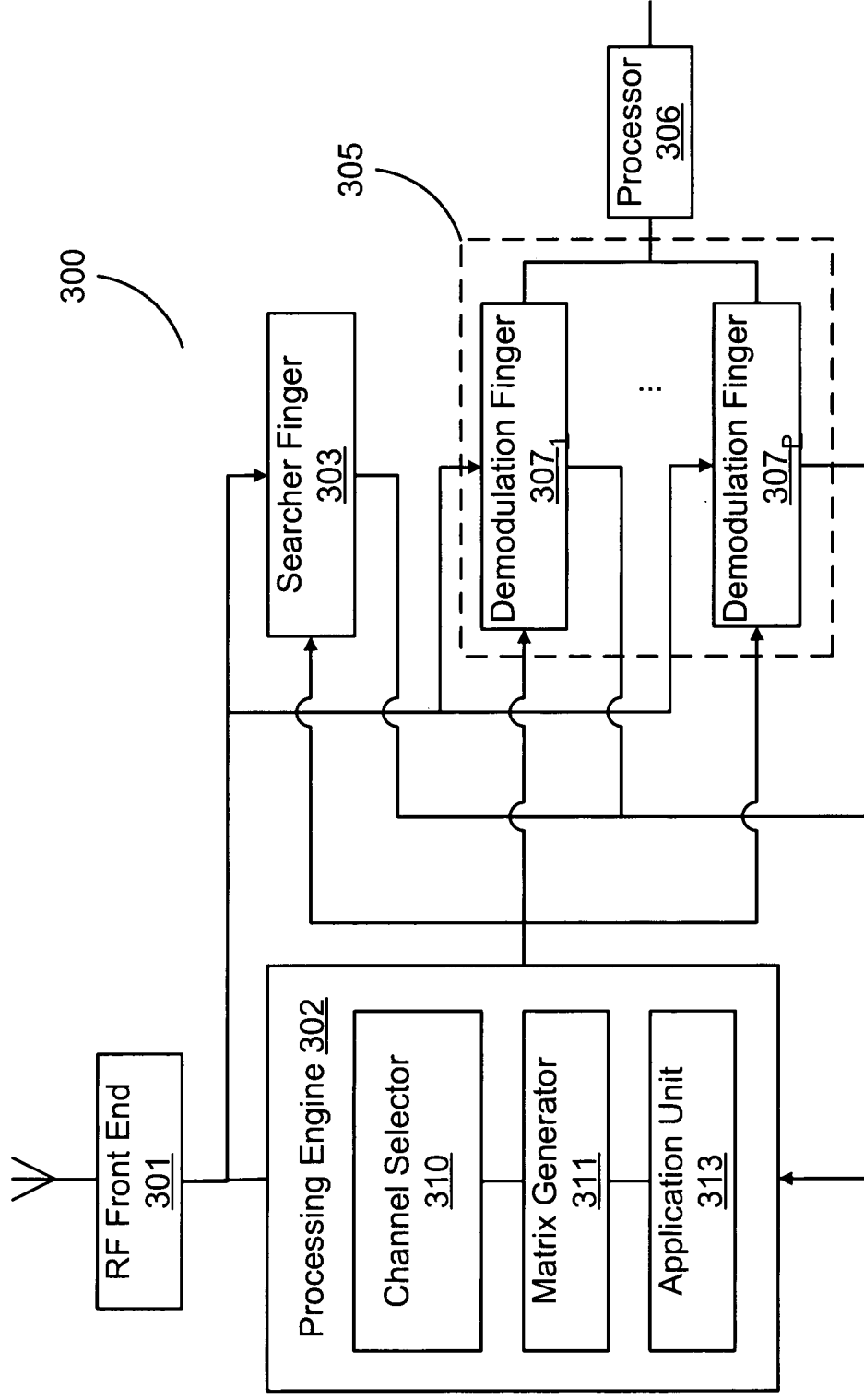


Figure 3

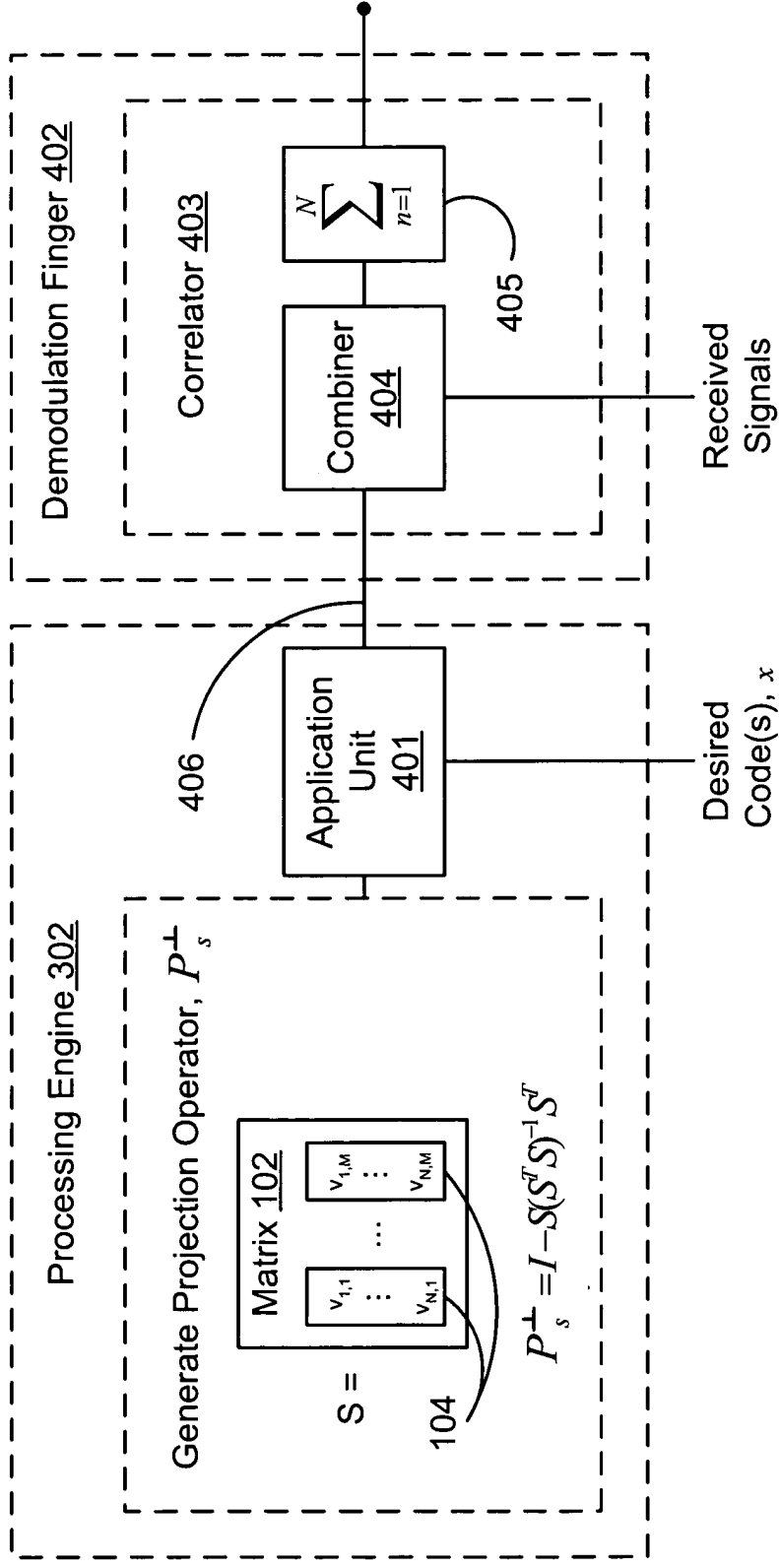
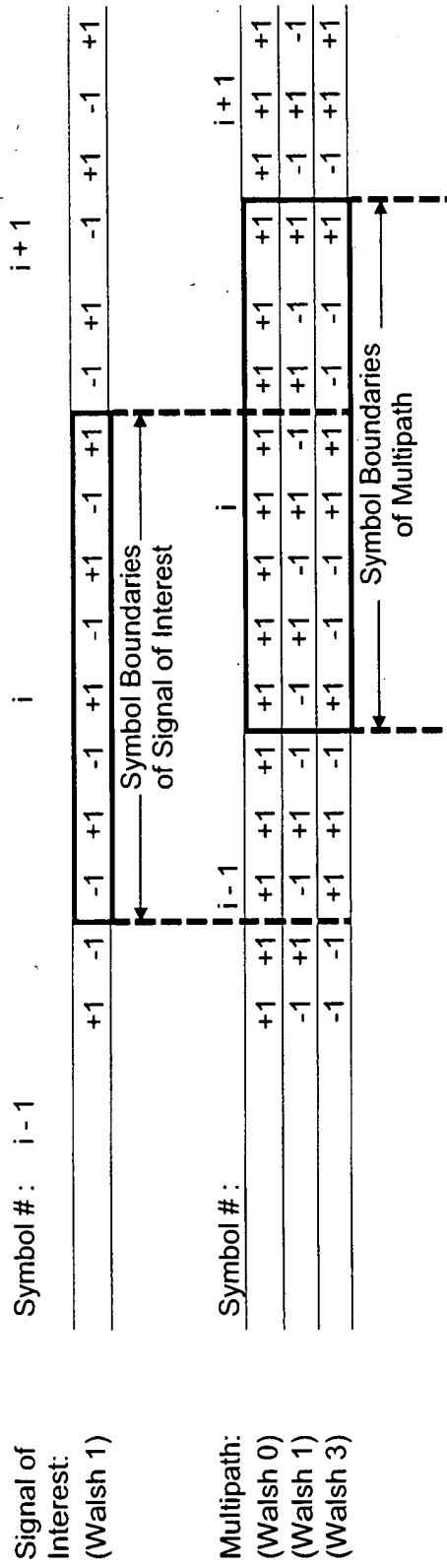


Figure 4



Bit Sequence – Symbols $i-1, i, i+1$

(Walsh 1): +1 -1 -1 -1

(Walsh 3): -1 +1 +1 -1

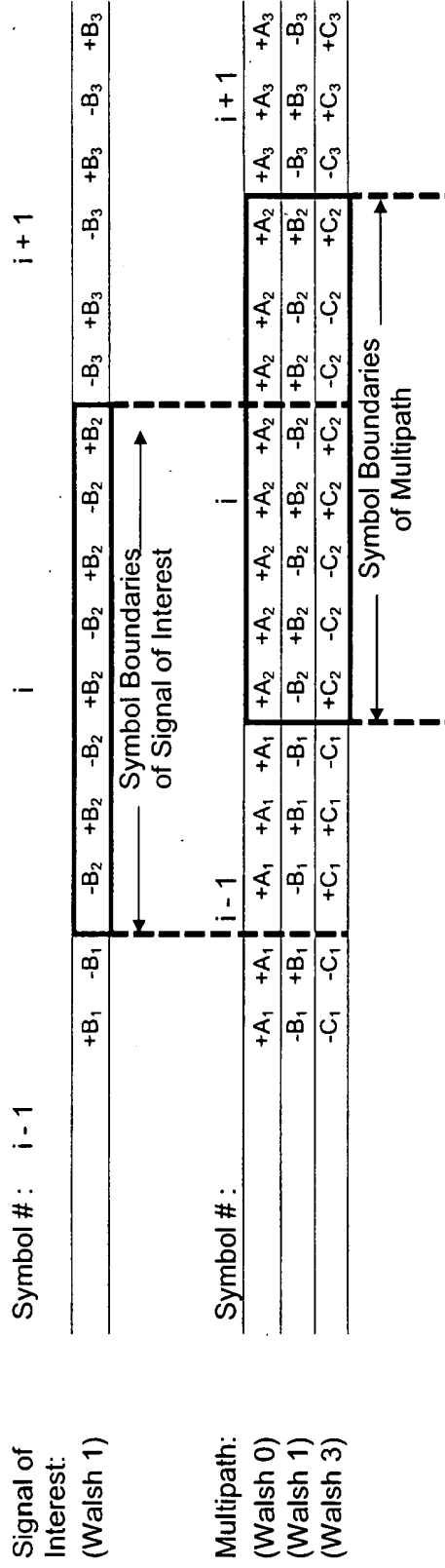
Interference of Multipath on Signal of Interest

$$u_{0,2} = (+1) * u_{0,2}^L + (+1) * u_{0,2}^R: \quad +1 \quad +1 \quad +1 \quad +1 \quad +1 \quad +1$$

$$u_{1,2} = (+1) * u_{1,2}^L + (-1) * u_{1,2}^R: \quad -1 \quad +1 \quad -1 \quad -1 \quad +1 \quad -1$$

$$u_{3,2} = (-1) * u_{3,2}^L + (+1) * u_{3,2}^R: \quad +1 \quad +1 \quad -1 \quad +1 \quad -1 \quad +1$$

Figure 5



Relative Amplitude (Bit) Sequence – Symbols $i-1, i, i+1$

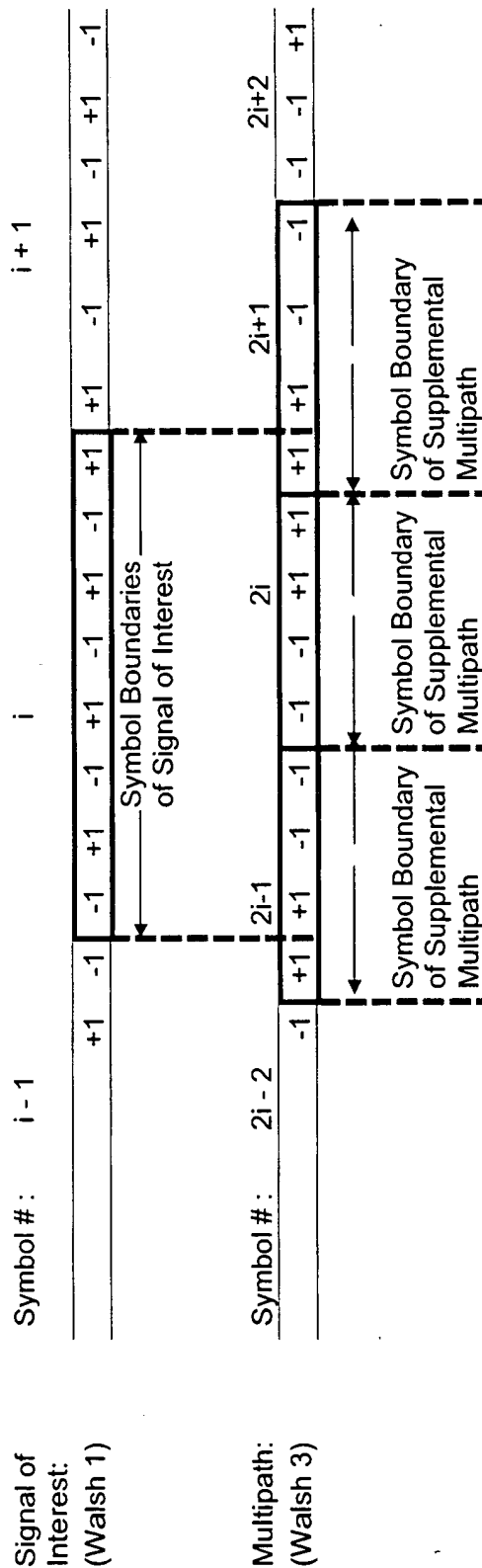
(Walsh 0): $+A_1 \quad +A_2 \quad +A_3$
(Walsh 1): $+B_1 \quad -B_2 \quad -B_3$
(Walsh 3): $-C_1 \quad +C_2 \quad -C_3$

Interference of Multipath on Signal of Interest

$$\begin{aligned}
 u_{0,2} &= (+A_1)u_{0,2}^L + (+A_2)u_{0,2}^R \\
 u_{1,2} &= (+B_1)u_{1,2}^L + (-B_2)u_{1,2}^R \\
 u_{3,2} &= (-C_1)u_{3,2}^L + (+C_2)u_{3,2}^R \\
 \text{CIV} &= u_{0,2} + u_{1,2} + u_{3,2}
 \end{aligned}$$

$+A_1$	$+A_1$	$+A_2$	$+A_2$	$+A_2$	$+A_2$	$+A_2$	$+A_2$
$-B_1$	$+B_1$	$-B_1$	$-B_2$	$+B_2$	$+B_2$	$-B_2$	$-B_2$
$+C_1$	$+C_1$	$-C_1$	$+C_2$	$-C_2$	$-C_2$	$+C_2$	$+C_2$
$A_1-B_1-C_1$	$A_1+B_1-C_1$	$A_2-B_2+C_2$	$A_2+B_2-C_2$	$A_2-B_2-C_2$	$A_2+B_2+C_2$	$A_2-B_2+C_2$	$A_2-B_2+C_2$

Figure 6



Bit Sequence – Symbols $2i-2, 2i-1, 2i, 2i+1, 2i+2$

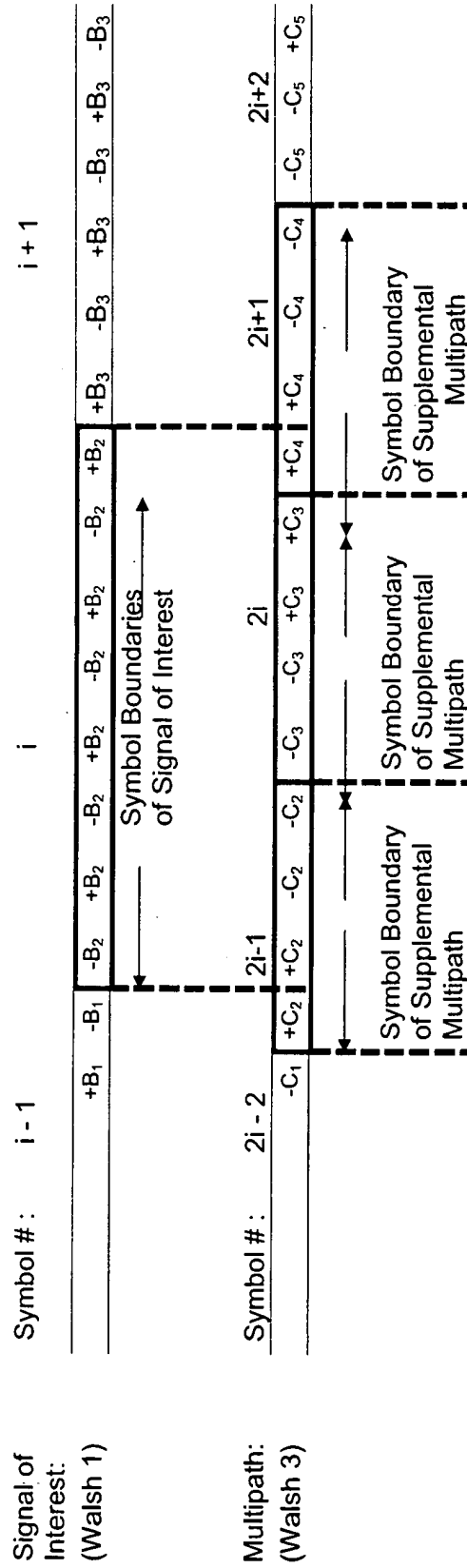
Walsh (3): +1 +1 -1 +1 -1

Interference of Multipath with Supplemental Channels on Signal of Interest

$$u_{3,2} = (+1)^* u_{3,2}^1 + (-1)^* u_{3,2}^2 + (+1)^* u_{3,2}^3$$

$u_{0,2}:$	+1	+1	+1	+1	+1	+1	+1
$u_{1,2}:$	-1	+1	-1	+1	-1	+1	-1
$u_{3,2}:$	+1	-1	-1	-1	-1	+1	+1

Figure 7



Bit Sequence – Symbols $2i-2, 2i-1, 2i, 2i+1, 2i+2$
Walsh (3): $+C_1 \quad +C_2 \quad -C_3 \quad +C_4 \quad -C_5$

Interference of Multipath with Supplemental Channels on Signal of Interest

$$u_{0,2}: \begin{matrix} +A_1 & +A_1 & +A_1 & +A_2 & +A_2 & +A_2 & +A_2 & +A_2 \\ u_{1,2}: & -B_1 & +B_1 & -B_1 & -B_2 & +B_2 & -B_2 & -B_2 \\ u_{3,2}: & +C_2 & -C_2 & -C_2 & -C_3 & -C_3 & +C_3 & +C_4 \\ \text{CIV:} & A_1-B_1+C_2 & A_1+B_1-C_2 & A_1-B_1-C_2 & A_2-B_2-C_3 & A_2+B_2-C_3 & A_2-B_2+C_3 & A_2-B_2+C_4 \end{matrix}$$

Figure 8

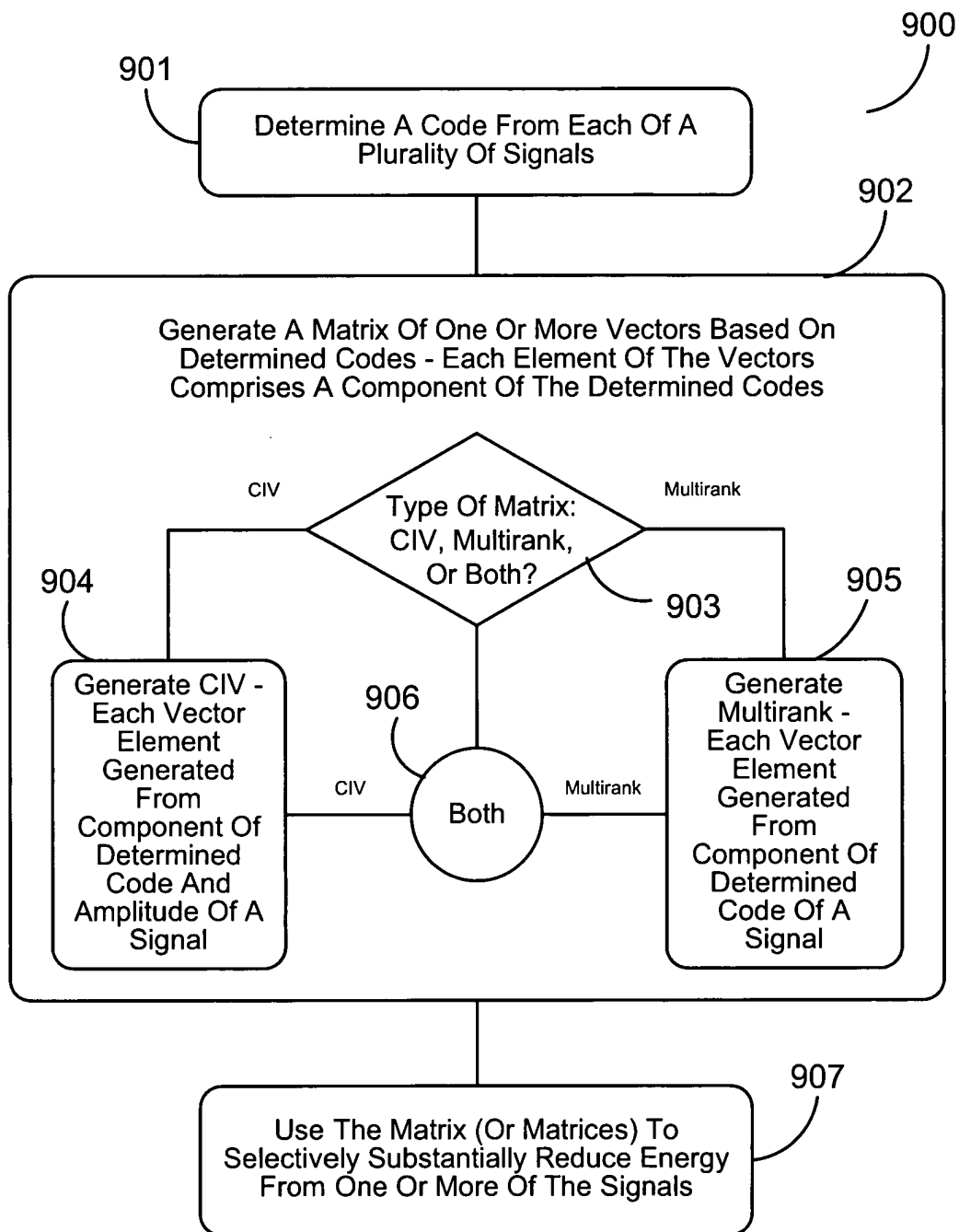


Figure 9

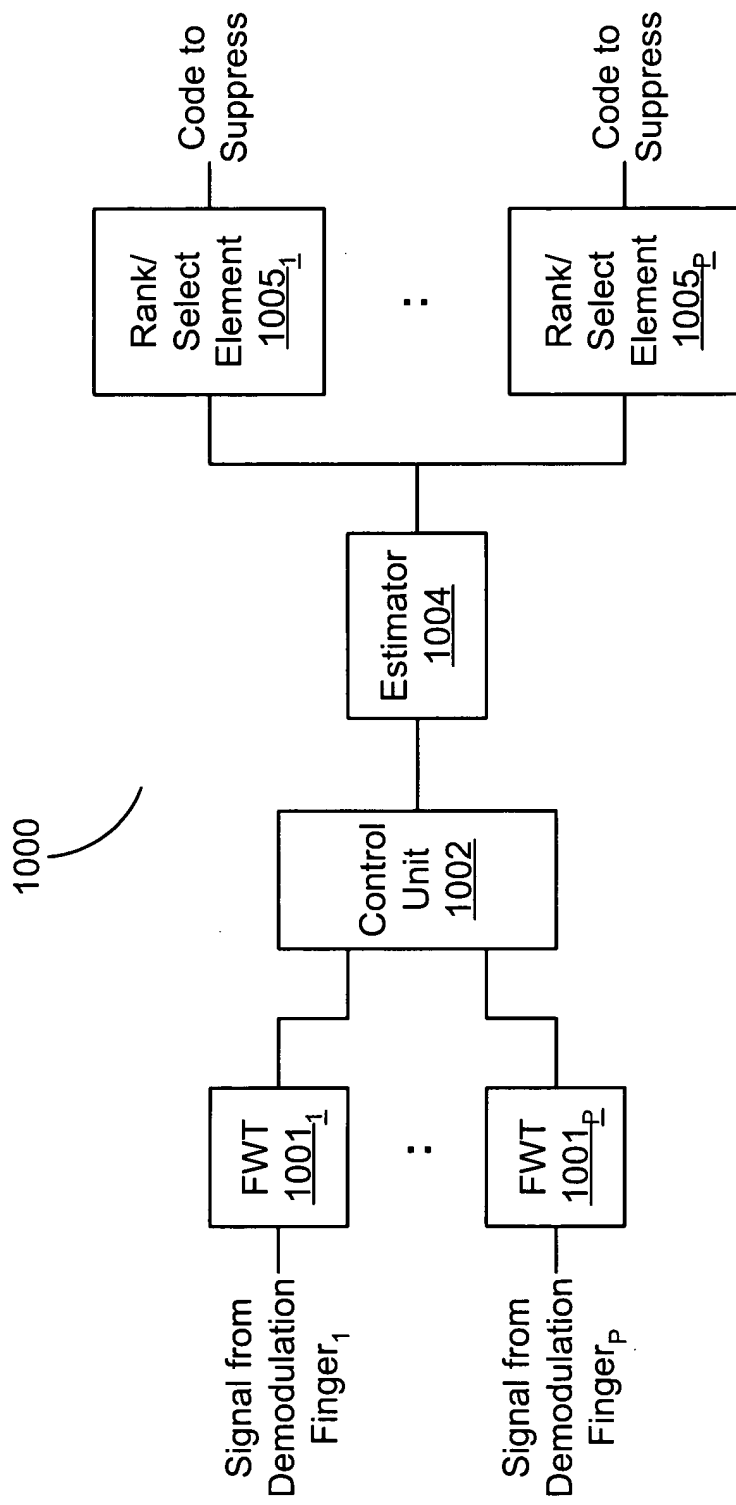


Figure 10

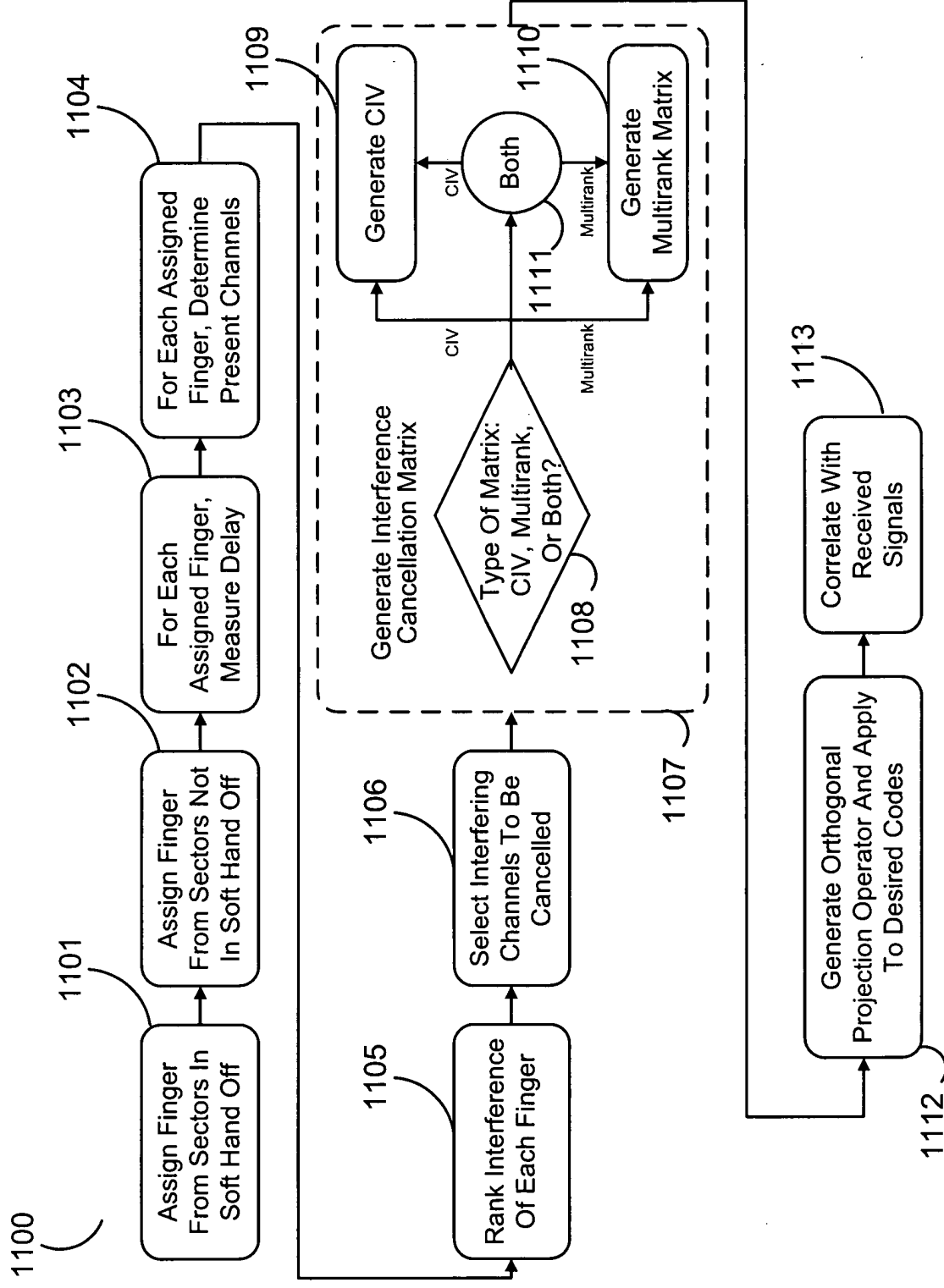


Figure 11